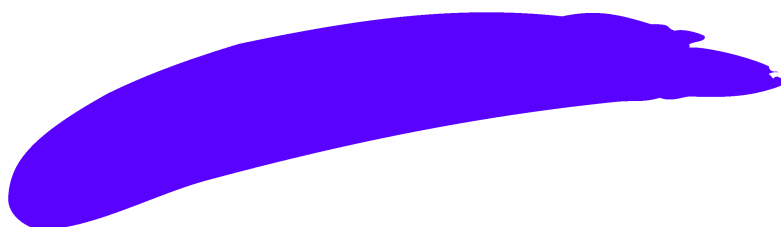




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# PLAN<sup>®</sup>



## **2011-2012 Profile Summary Report**

**Code: 18S000  
KENTUCKY DEPT OF ED  
FRANKFORT, KY**

**State Report - Grade 10  
KENTUCKY DEPARTMENT OF EDUCATION  
Includes Standard and Extended Time Tested Students**

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## INTRODUCTION

This report summarizes the performance of your students who took the PLAN academic assessment. This report includes results for only students who have valid composite scores and who tested under standard time limits.

The information in this report is organized to assist you in addressing certain issues that are common among schools. You will see these issues stated in the form of questions at the top of each table. The questions and the information presented may assist you in drawing conclusions and making decisions about programs, policies, or educational practices in your school.

Numerous social, economic, and school factors are known to contribute to educational achievement. Relatively few of these factors are represented in this report. Conclusions about educational programs or policies at your school, based on your students' achievement, are best supported by additional sources of information.

In making decisions or drawing conclusions based on differences between groups of students, caution should be employed when using PLAN averages if the number of students in any group is less than 25. The validity of conclusions about student groups depends in part upon the accuracy of the information that is self-reported by the students at the time of testing.

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**TABLE 1a: How do the PLAN scores of our students compare with those of students nationally?**

PLAN score	English			Mathematics			Reading			Science			Composite			PLAN score
	Local		Nat'l	Local		Nat'l	Local		Nat'l	Local		Nat'l	Local		Nat'l	
	Freq	CP*	CP*	Freq	CP*	CP*	Freq	CP*	CP*	Freq	CP*	CP*	Freq	CP*	CP*	
32	66	100	100	41	100	100	0	100	100	61	100	100	2	100	100	32
31	0	99	99	181	99	99	0	100	99	147	99	99	15	99	99	31
30	154	99	99	379	99	99	217	100	99	296	99	99	57	99	99	30
29	0	99	99	291	99	98	0	99	99	0	99	99	112	99	99	29
28	221	99	99	436	98	97	631	99	99	452	99	98	217	99	99	28
27	302	99	99	581	97	96	892	98	98	625	98	97	328	99	99	27
26	371	98	98	677	96	94	1083	96	97	0	97	96	475	99	98	26
25	462	98	98	0	95	93	0	94	95	782	97	95	677	98	97	25
24	1112	97	96	878	95	91	1301	94	93	1095	95	94	892	96	95	24
23	743	95	95	1022	93	88	1410	92	90	1383	93	92	1267	94	92	23
22	1580	93	92	1198	91	85	1672	89	87	1634	90	89	1654	92	89	22
21	2901	90	89	1310	88	82	1783	85	83	3860	87	85	2299	88	85	21
20	2341	84	84	1562	86	77	2059	82	78	4757	79	80	2933	84	80	20
19	2655	79	78	3602	83	71	4755	77	73	5422	69	72	3923	78	74	19
18	4306	74	71	4146	75	64	2809	68	67	2908	58	63	4613	70	67	18
17	4829	65	63	7080	67	55	2941	62	60	6047	52	52	5452	60	58	17
16	5168	55	54	7352	52	45	6590	56	52	6460	40	40	5428	49	48	16
15	3642	44	45	7014	37	35	3573	43	43	5887	27	28	5480	38	37	15
14	3715	37	36	4161	23	25	3433	35	35	4436	15	18	4874	27	26	14
13	3661	29	27	1865	14	17	6740	28	27	1326	6	10	3919	17	17	13
12	3345	22	20	1629	11	10	2749	14	19	759	3	5	2501	9	9	12
11	2955	15	14	1319	7	6	0	9	13	0	1	2	1215	4	5	11
10	1255	9	9	967	5	3	2023	9	8	399	1	1	451	1	2	10
9	1730	6	5	0	3	2	1271	5	5	0	1	1	123	1	1	9
8	882	3	3	606	3	1	660	2	3	158	1	1	34	1	1	8
7	390	1	1	0	1	1	0	1	1	0	1	1	8	1	1	7
6	81	1	1	371	1	1	281	1	1	37	1	1	3	1	1	6
5	44	1	1	180	1	1	0	1	1	0	1	1	3	1	1	5
4	24	1	1	82	1	1	71	1	1	20	1	1	0	1	1	4
3	17	1	1	18	1	1	0	1	1	0	1	1	0	1	1	3
2	2	1	1	7	1	1	0	1	1	0	1	1	0	1	1	2
1	1	1	1	0	1	1	11	1	1	4	1	1	0	1	1	1
Mean	16.1		16.2	16.8		17.6	16.6		16.7	17.9		17.8	17.0		17.2	Mean
S.D.	4.4		4.4	4.2		4.7	4.6		4.8	3.6		3.9	3.7		3.9	S.D.
Local percentage of students in national quartiles																
National quartile	% of local		Score range	% of local		Score range	% of local		Score range	% of local		Score range	% of local		Score range	National quartile
75-100%	26		19-32	17		20-32	23		20-32	31		20-32	22		20-32	75-100%
50-74%	29		16-18	30		17-19	35		16-19	29		17-19	29		17-19	50-74%
25-49%	23		13-15	38		14-16	28		13-15	25		15-16	32		14-16	25-49%
1-24%	22		1-12	14		1-13	14		1-12	15		1-14	17		1-13	1-24%

\*CP = Cumulative percent of students at or below a score point

Note: National normative data are based on results for students who took all four academic tests within standard time limits as part of a national study conducted in Fall 2010. See the PLAN Technical Manual at [www.act.org](http://www.act.org) for information about the 2010 national norming sample.

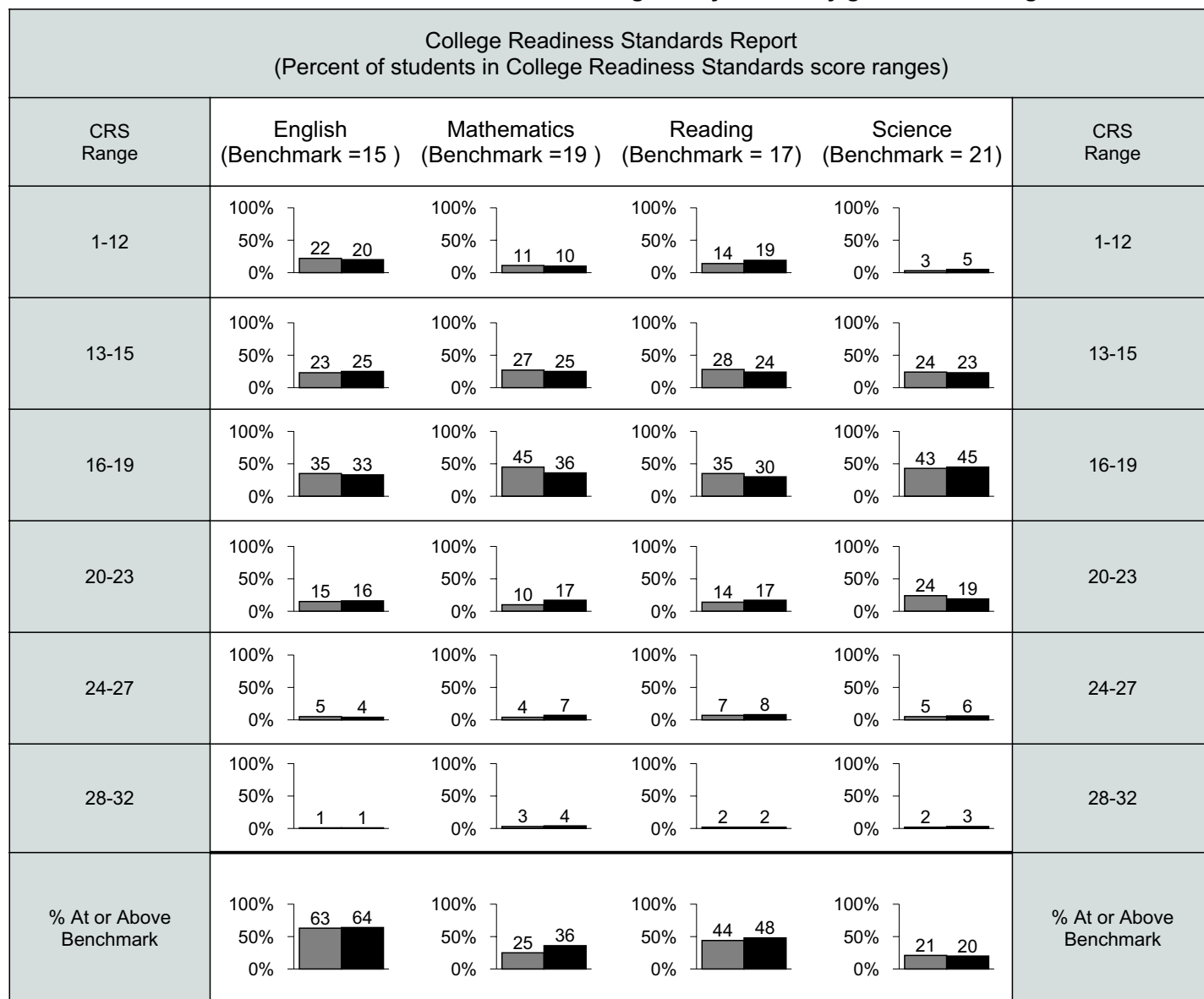
The national median for the PLAN composite score is 17.

**TABLE 1b: How do the PLAN subscores of our students compare with those of students nationally?**

PLAN subscore	Usage/Mechanics			Rhetorical Skills			Pre-Alg. / Algebra			Geometry			PLAN subscore
	Local		Nat'l	Local		Nat'l	Local		Nat'l	Local		Nat'l	
	Freq	CP*	CP*	Freq	CP*	CP*	Freq	CP*	CP*	Freq	CP*	CP*	
16	287	100	100	337	100	100	1347	100	100	845	100	100	16
15	519	99	99	719	99	99	1396	97	95	762	98	98	15
14	703	98	98	1145	98	99	0	94	92	1168	97	95	14
13	2093	97	96	1502	96	96	1845	94	89	1844	94	91	13
12	1377	93	93	4104	92	92	2369	91	86	2687	91	86	12
11	3380	90	89	2552	84	86	2798	86	83	3622	85	80	11
10	4064	83	83	6202	79	78	3200	80	78	4578	78	72	10
9	4630	75	74	3613	66	69	3332	74	71	5536	68	62	9
8	7982	65	62	3993	59	58	3464	67	61	12518	57	49	8
7	8466	49	47	8606	51	45	10707	60	49	5846	31	34	7
6	5523	32	32	8519	33	33	6712	38	35	4596	20	20	6
5	4759	20	19	3322	16	21	3174	24	22	2915	10	10	5
4	1817	11	10	2235	9	12	5063	18	12	1457	4	4	4
3	2290	7	5	1291	4	7	1745	7	6	0	1	2	3
2	579	2	2	590	2	3	1629	4	2	488	1	1	2
1	486	1	1	225	1	1	174	1	1	93	1	1	1
Mean	7.8		7.9	8.1		8.0	7.7		8.2	8.6		9.0	Mean
S.D.	2.8		2.8	2.9		3.0	3.3		3.5	2.7		3.0	S.D.
Local percentage of students in national quartiles													
National quartile	% of local		Score range	% of local		Score range	% of local		Score range	% of local		Score range	National quartile
75-100%	25		10-16	34		10-16	26		10-16	22		11-16	75-100%
50-74%	26		8-9	16		8-9	14		8-9	21		9-10	50-74%
25-49%	29		6-7	35		6-7	36		6-7	38		7-8	25-49%
1-24%	20		1-5	16		1-5	24		1-5	20		1-6	1-24%

\*CP = Cumulative percent of students at or below a score point

**TABLE 1c: Are our students *On Track* to be college ready when they graduate from high school?**



= Local      = National

Notes: *Connecting College Readiness Standards to the Classroom* interpretive guides to use with this report can be found at [www.act.org/standard/guides/plan](http://www.act.org/standard/guides/plan). The College Readiness Standards can be found starting on page 8 of each content guide.

Local report group percentages can be compared with national reference group percentages. All percentages have been rounded to the nearest whole number.

The score ranges given in this report are linked to the College Readiness Standards, which describe what students who score in various score ranges are likely to know and to be able to do, and reflect the progression and complexity of skills in each test of the PLAN program. College Readiness Benchmark Scores have been developed for PLAN to indicate a student's probable readiness for entry-level college coursework by the time the student graduates from high school. The data from this report, along with the College Readiness Standards and Benchmarks and information from other sources, can be used to inform local instructional priorities.

**TABLE 2: Do our students' PLAN scores differ by ethnic and gender groups?**

Group	Number of students	English	Usage /Mech	Rhet Skills	Math	Pre-Alg. /Algebra	Geometry	Reading	Science	Comp	% taken /taking*
<b>Total Group</b>	<b>48955</b>	<b>16.1</b>	<b>7.8</b>	<b>8.1</b>	<b>16.8</b>	<b>7.7</b>	<b>8.6</b>	<b>16.6</b>	<b>17.9</b>	<b>17.0</b>	<b>57</b>
Black/African American	4969	13.8	6.4	6.8	14.6	6.0	7.3	14.6	16.3	15.0	40
American Indian/Alaska Native	82	15.2	7.3	7.6	16.2	7.2	8.4	16.1	17.4	16.4	60
White	40217	16.5	8.0	8.4	17.1	7.9	8.8	16.9	18.2	17.3	60
Hispanic/Latino	1572	14.7	7.0	7.3	15.9	6.9	8.1	15.7	17.1	16.0	52
Asian	582	17.2	8.6	8.7	19.4	9.3	10.1	17.9	19.6	18.6	54
Native Hawaiian/Other Pacific Islander	30	14.6	7.0	7.1	16.3	7.3	8.2	15.6	17.3	16.1	33
Two or more races	700	15.7	7.6	7.9	16.3	7.2	8.3	16.2	17.3	16.5	50
Prefer not to respond	48	14.3	6.5	7.3	14.5	5.9	7.3	15.0	16.4	15.2	31
<b>Males</b>	<b>25187</b>	<b>15.4</b>	<b>7.3</b>	<b>7.8</b>	<b>16.7</b>	<b>7.6</b>	<b>8.7</b>	<b>16.1</b>	<b>17.7</b>	<b>16.6</b>	<b>55</b>
Black/African American	2521	13.2	6.0	6.4	14.5	5.8	7.3	13.9	16.0	14.5	38
American Indian/Alaska Native	33	13.9	6.4	6.9	16.0	6.8	8.7	14.6	16.5	15.3	45
White	20735	15.7	7.5	8.0	17.1	7.8	8.9	16.4	18.0	16.9	57
Hispanic/Latino	834	14.2	6.6	7.0	16.0	7.0	8.1	15.2	17.0	15.7	50
Asian	308	16.7	8.2	8.4	19.6	9.4	10.2	17.5	19.6	18.4	54
Native Hawaiian/Other Pacific Islander	13	12.1	5.4	5.7	15.3	6.5	6.9	14.5	16.2	14.7	15
Two or more races	341	14.8	7.0	7.4	16.2	7.2	8.3	15.3	17.1	16.0	48
Prefer not to respond	29	14.1	6.4	7.3	15.0	6.2	7.4	14.9	16.2	15.2	28
<b>Females</b>	<b>23659</b>	<b>16.8</b>	<b>8.3</b>	<b>8.5</b>	<b>16.9</b>	<b>7.8</b>	<b>8.6</b>	<b>17.2</b>	<b>18.2</b>	<b>17.4</b>	<b>59</b>
Black/African American	2445	14.4	6.8	7.1	14.8	6.2	7.4	15.2	16.6	15.4	43
American Indian/Alaska Native	49	16.1	7.9	8.0	16.4	7.4	8.2	17.2	18.0	17.0	69
White	19460	17.2	8.6	8.7	17.2	8.0	8.8	17.5	18.5	17.7	62
Hispanic/Latino	738	15.3	7.4	7.5	15.9	6.9	8.1	16.3	17.3	16.3	54
Asian	274	17.8	9.0	9.0	19.2	9.3	10.1	18.3	19.6	18.8	54
Native Hawaiian/Other Pacific Islander	16	16.7	8.4	8.2	17.2	7.9	9.2	17.0	18.3	17.4	44
Two or more races	357	16.6	8.2	8.3	16.4	7.3	8.4	17.0	17.6	17.1	52
Prefer not to respond	16	14.9	6.9	7.5	13.8	5.6	7.3	16.0	17.2	15.6	31

\*Percent of students who have taken or are taking Eng 10, Alg 1 and one other mathematics course, any social studies course, and biology.

**TABLE 3: How do our students' PLAN scores relate to the courses they have taken or are currently taking?**

Course pattern taken/taking	Number of students	Mean test scores				
ENGLISH COURSE PATTERN		English	Composite			
English 9	6365	15.1	16.1			
English 9 and English 10	33998	16.5	17.4			
Other combination of 1 or more years of English	5287	15.4	16.3			
Insufficient English course pattern information	3305	14.4	15.6			
MATHEMATICS COURSE PATTERN		Math	Composite			
Algebra 1	7594	14.9	15.2			
Algebra 1 and Algebra 2	2642	16.0	16.4			
Algebra 1 and Geometry	20983	16.1	16.4			
Algebra 1, Geometry, and Algebra 2	9762	19.6	19.5			
Other combinations of 1 or more years of math	4369	19.2	18.8			
Insufficient mathematics course pattern information	3605	15.3	15.5			
SOCIAL STUDIES COURSE PATTERN		Reading	Composite			
US History	1072	14.2	14.8			
World History	1259	15.4	15.9			
World History and US History	2969	15.3	15.8			
Other combination of 1 or 1.5 years of social studies	6737	15.9	16.3			
Other combination of 2 or more years of social studies	32621	17.2	17.6			
Insufficient social studies course pattern information	4297	15.0	15.4			
NATURAL SCIENCE COURSE PATTERN		Science	Composite			
General Science	7078	16.9	15.8			
Biology	1664	16.9	15.9			
Chemistry	232	16.1	14.7			
General Science and Biology	22174	17.9	17.0			
General Science and Chemistry	1939	18.0	17.2			
Biology and Chemistry	2479	20.5	19.9			
Other combinations of 1 or more years of natural science	9650	18.9	18.0			
Insufficient natural science course pattern information	3739	16.5	15.3			
ON TRACK FOR COLLEGE CORE COURSEWORK		English	Math	Reading	Science	Composite
English 10, Algebra 1 and one other math course, any social studies course, and Biology	27733	16.9	17.5	17.3	18.6	17.7
Not taken/not taking these courses	21222	15.0	15.8	15.7	17.1	16.0

**TABLE 4: How do our students' PLAN Composite scores and coursework plans relate to their educational plans?**

Educational plans category	Number of students responding	Percent of all students	Percent planning college core coursework*	Mean Composite score	Percent in national Composite score quartiles			
					1-24%	25-49%	50-74%	75-100%
Do not plan to finish high school	197	0	37	13.2	63	28	8	1
No training planned after high school	839	2	46	14.0	48	37	13	2
Job training in the military services	2239	5	51	15.3	29	40	22	9
Apprentice / job training	720	1	48	14.7	37	39	18	6
Career / technical school	2604	5	53	15.2	29	43	22	7
2-year / junior college	2551	5	52	15.1	27	45	22	6
4-year college / university	13974	29	62	17.3	13	32	32	24
Graduate or professional study	17119	35	67	18.4	8	25	33	34
Undecided	4069	8	53	16.2	21	37	26	16
Other plans	1366	3	46	14.6	39	41	15	5
No response	2868	6	23	15.8	27	35	24	14

**TABLE 5: How do our students' PLAN Composite scores and coursework plans relate to their expressed needs for help?**

Students expressing a need for help								
Needs area	Number of students responding	Percent of all students	Percent planning college core coursework*	Mean Composite score	Percent in national Composite score quartiles			
					1-24%	25-49%	50-74%	75-100%
Exploring options after high school	18896	39	61	17.2	16	31	29	25
Improving writing skills	14979	31	60	16.7	18	33	28	20
Improving reading speed or comprehension	12317	25	61	16.2	21	36	27	16
Improving study skills	20674	42	61	16.9	16	33	30	21
Improving mathematical skills	17601	36	57	16.2	20	37	28	15
Improving computer skills	7734	16	60	16.9	19	32	28	22
Improving public speaking skills	18775	38	63	17.4	13	31	31	25

\*College core coursework: 4 or more years of English and 3 or more years each of mathematics, social studies, and natural science (see Glossary).



**TABLE 6a: How do our students' PLAN Composite scores, coursework plans, and postsecondary plans relate to their career preferences from the Career Areas List?**

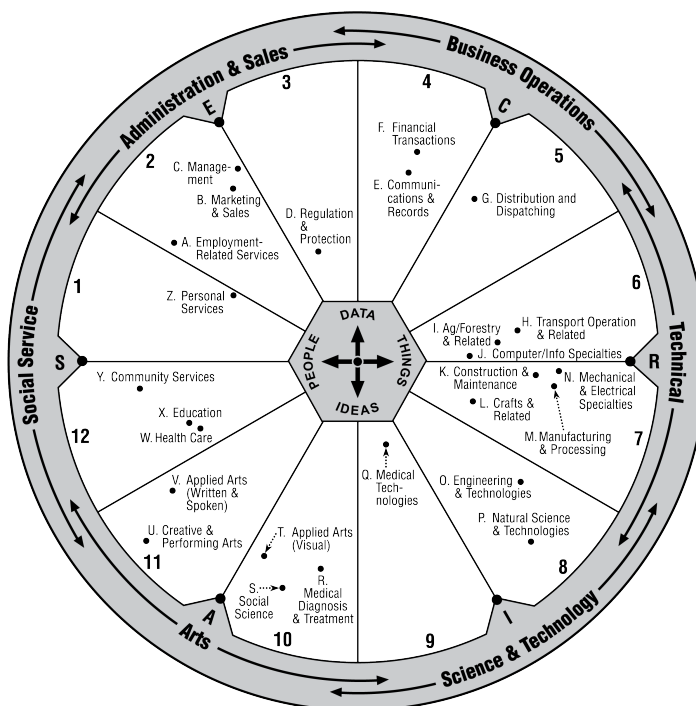
Career preference category from Career Areas List	Number of students			Percent planning college core coursework*	Percent by educational plans					Mean Composite score
	Male	Female	Total		No HS/ No training	Appren./ Job train/ Military	Career/ Tech/ 2 yr coll.	4 yr coll. or more	Other/ Undecided	
Administration & Sales	3452	893	4356	53	4	17	9	55	15	16.1
Employment-Related Services	343	116	459	42	12	19	9	38	22	14.6
Marketing & Sales	666	196	864	52	4	5	9	68	15	16.2
Management	903	259	1165	56	3	6	11	67	13	16.4
Regulation & Protection	1540	322	1868	54	2	29	8	46	15	16.1
Business Operations	553	396	952	52	3	5	10	69	13	16.1
Communications & Records	162	188	352	48	4	5	10	68	13	15.3
Financial Transactions	239	165	405	58	2	2	7	79	10	17.6
Distribution & Dispatching	152	43	195	45	6	11	15	50	17	14.6
Technical	6830	1307	8168	54	5	13	27	35	20	15.6
Transport Operation & Related	498	72	571	54	5	21	16	34	25	15.8
Agriculture, Forestry & Related	978	529	1512	57	7	10	17	44	22	15.8
Computer & Information Specialties	1161	137	1301	57	2	6	19	54	18	17.2
Construction & Maintenance	1248	36	1289	52	8	18	28	25	20	15.2
Crafts & Related	317	383	707	55	3	6	19	51	20	15.9
Manufacturing & Processing	700	57	760	50	7	17	38	18	20	14.7
Mechanical & Electrical Specialties	1928	93	2028	53	5	16	39	24	17	15.0
Science & Technology	6474	8906	15400	66	1	3	5	85	7	18.2
Engineering & Technologies	2945	336	3284	63	2	8	10	69	11	18.3
Natural Science & Technologies	673	618	1293	66	1	4	4	83	9	18.7
Medical Technologies	726	1579	2309	65	0	2	5	87	5	17.7
Medical Diagnosis & Treatment	1783	5601	7392	68	0	1	3	91	4	18.1
Social Science	347	772	1122	69	1	2	3	86	8	19.2
Arts	2176	3251	5438	60	2	3	9	65	20	17.6
Applied Arts (Visual)	672	1443	2120	60	2	4	13	61	20	17.3
Creative & Performing Arts	1337	1524	2866	59	2	3	8	65	22	17.6
Applied Arts (Written & Spoken)	167	284	452	69	1	2	4	82	12	19.4
Social Service	2197	6088	8295	63	1	3	9	78	10	17.1
Health Care	636	2652	3293	64	0	2	9	82	7	17.0
Education	642	1556	2199	67	1	1	4	85	8	17.8
Community Services	674	1248	1926	63	1	4	5	83	8	17.6
Personal Services	245	632	877	54	4	7	29	33	27	15.3
No response	1938	1520	3478	26	1	2	3	9	85	15.6

\*College core coursework: 4 or more years of English and 3 or more years each of mathematics, social studies, and natural science (see Glossary).

**TABLE 6b: How do our students' PLAN Composite scores, coursework plans, and postsecondary plans relate to their career clusters from the World-of-Work Map?**

	Number of students			Percent by educational plans						
Career Cluster category from Interest Inventory	Male	Female	Total	Percent planning college core coursework*	No HS/ No training	Appren./ Job train/ Military	Career/ Tech/ 2 yr coll.	4 yr coll. or more	Other/ Undecided	Mean Composite score
<b>First World-of-Work Career Cluster from Interest Inventory</b>										
(02-03) Administration/Sales	2325	3435	5767	65	1	3	6	80	10	17.6
(04-05) Business Operations	4679	2575	7270	56	3	8	16	56	17	16.2
(06-07) Technical	8096	3573	11693	56	4	10	16	49	21	16.3
(08-09) Science & Technology	3576	4351	7940	64	1	4	7	72	15	18.1
(10-11) Arts	1504	3313	4827	63	1	3	7	74	14	18.1
(12-01) Social Service	1701	3490	5205	63	1	4	7	76	12	17.3
<b>Second World-of-Work Career Cluster from Interest Inventory</b>										
(02-03) Administration/Sales	1439	1950	3396	61	1	4	8	75	12	17.1
(04-05) Business Operations	4406	2618	7035	57	3	8	15	56	18	16.3
(06-07) Technical	4913	2369	7296	58	3	9	16	54	18	16.5
(08-09) Science & Technology	4176	3540	7727	62	2	6	9	67	16	17.6
(10-11) Arts	2540	4102	6660	62	1	4	8	71	16	17.9
(12-01) Social Service	1414	3191	4614	64	1	4	7	77	12	17.7
No Region	3306	2922	6253	42	2	5	8	54	31	16.1

\*College core coursework: 4 or more years of English and 3 or more years each of mathematics, social studies, and natural science (see Glossary).



**TABLE 7: How did our students respond to the local items?**

Student Response												
	A		B		C		D		E		Blank	
Local Item	N	%	N	%	N	%	N	%	N	%	N	%
1	39	0	24	0	19	0	11	0	3	0	48859	100
2	15	0	23	0	18	0	11	0	6	0	48881	100
3	15	0	16	0	14	0	12	0	6	0	48892	100
4	18	0	15	0	10	0	7	0	7	0	48898	100
5	13	0	8	0	16	0	11	0	7	0	48900	100
6	15	0	12	0	10	0	10	0	9	0	48899	100
7	13	0	9	0	16	0	5	0	6	0	48906	100
8	13	0	9	0	11	0	7	0	5	0	48910	100
9	17	0	9	0	6	0	10	0	2	0	48911	100
10	9	0	15	0	8	0	7	0	3	0	48913	100
11	11	0	12	0	5	0	4	0	11	0	48912	100
12	8	0	4	0	16	0	8	0	6	0	48913	100

Note: For report groups larger than an individual school, care must be taken when interpreting these local item results. Uniform use of the local items across schools must apply for meaningful table results.

## Glossary

### College Core Coursework

Core coursework is defined as four or more years of English, three or more years of mathematics, three or more years of social studies, and three or more years of natural science. The following course lengths are assumed, unless otherwise specified by your students.

- English: Plan to take four years or more, with one year credit each for English 9, English 10, English 11, and English 12; one-half year credit for Speech.
- Mathematics: Plan to take three years or more, with one year credit each for Algebra 1, Algebra 2, Geometry; one-half year credit each for Trigonometry, Calculus (not pre-calculus), Computer Math, and Other Math courses.
- Social Studies: Plan to take three years or more, with one year credit each for U.S. History, World History, and American Government; one-half year credit each for Economics, Geography, Psychology, and Other History.
- Natural Science: Plan to take three years or more, with one year credit each for General/Physical/Earth Science, Biology, Chemistry, and Physics.

### CP (Cumulative percent at or below)

The percentage of local or national students scoring at or below each scale score.